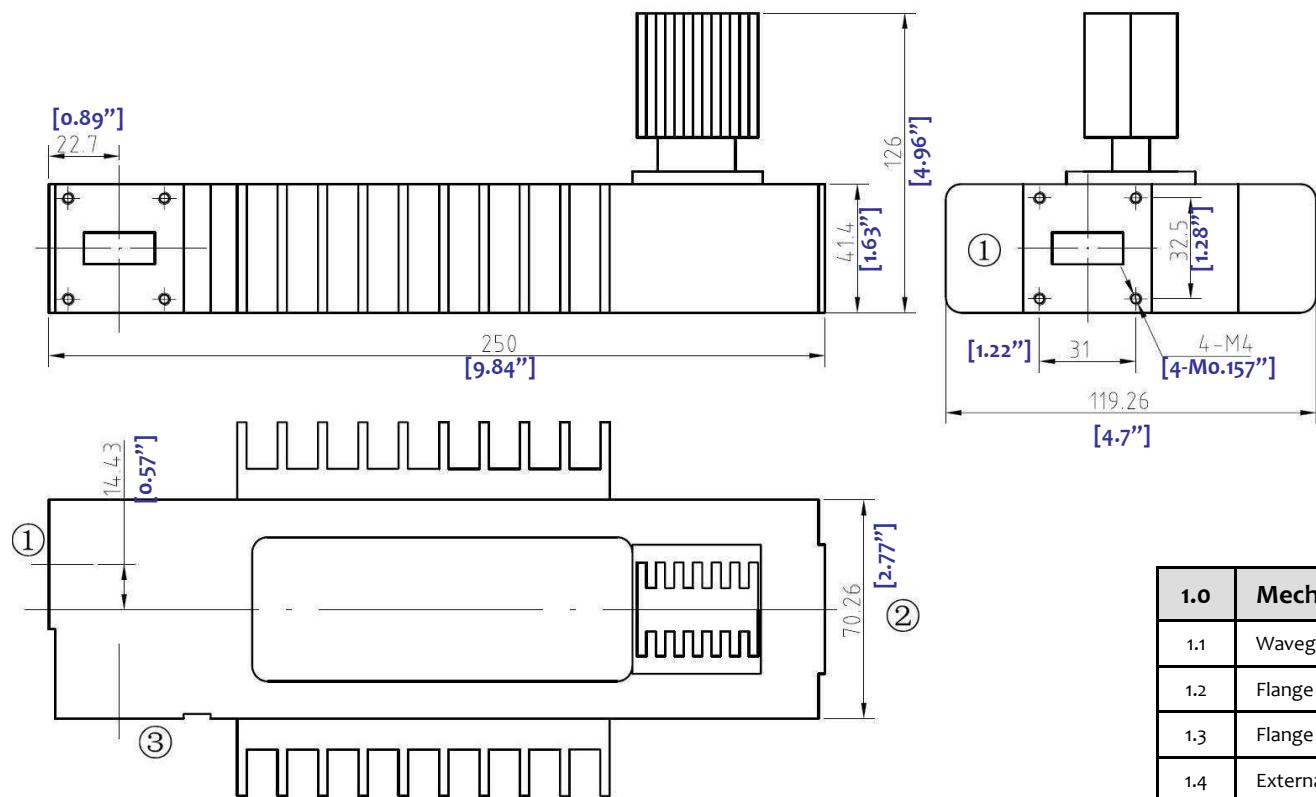


WR90 HIGH POWER WAVEGUIDE CIRCULATOR - RFWC90D



1.0 Mechanical Specifications

1.1	Waveguide type	Rectangular Waveguide WR90
1.2	Flange type	COVER, CPRF
1.3	Flange Holes	Through
1.4	External Body Finish	Body painted with gray/black epoxy enamel

2.0 Environment specifications	
2.1	Operation Temp. $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$
2.2	Storage Temp. $-50^{\circ}\text{C} \sim +125^{\circ}\text{C}$
2.3	Altitude 45000 ft
2.4	Vibration 10g rms (15 degree 2kHz)
2.5	Humidity 100% RH at 35c, 95%RH at 40 deg c
2.6	Shock 20G for 11msc

3.0 Electrical Specifications		
3.1	Frequency Range	8.2~12.4 GHz
3.2	Bandwidth	800MHz (9.5~10.3GHz as shown)
3.3	Max. VSWR	1.18:1
3.4	Insertion Loss	0.45dB
3.5	Isolation	20dB
3.6	Power handle	1000W CW
3.7	Peak Power	10KW (8% duty cycle)

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DESIGN	RFPC
RF-LAMBDA	RFPC
CAD MODEL REVISION	19
ASSEMBLY REVISION	V52
ASSEMBLY NAME	RFLVR17
DRAWING NUMBER	D05.1
RF-LAMBDA	SIZE LT SHEETS 1 OF 1

A B C D E F G H J K L M N P Q